

**Supplemental Amendment**

Applicant: Steven Paul Randall

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Title: ELECTRO-MECHANICAL TRANSMISSION SYSTEMS

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Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 3 with the following rewritten paragraph:

In one embodiment, a sensor 94 is provided which produces the signal on line 70 indicative of the torque required at the output shaft. When the transmission system is fitted into a motor vehicle, this sensor conveniently responds to the position of the accelerator pedal, according to one example, by way of a demand signal. This signal is monitored by the control system and only when its magnitude exceeds a predetermined level, thus indicating that a high level of torque is required at the output shaft, is the controller 62 operated to transmit power to the dump resistor 64.